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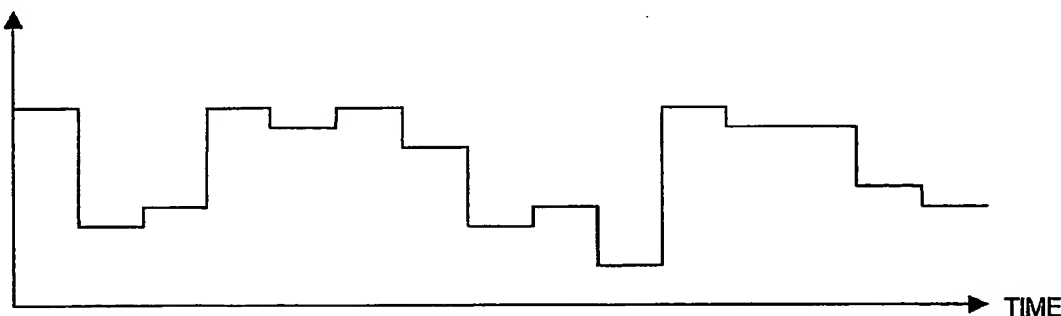
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(54) Title: **POWER CONTROL FOR HIGH-SPEED PACKET DATA TRANSMISSION**

USED HSDPA
POWER



(57) Abstract: Transmission unit comprising a first unit (CM_SCHDR) receiving scheduled first data (DATA2, DATA3) for transmission on at least a first channel, a power control unit (PWR_CTRL) for the first channel responsive to a respective closed loop power regulation signal (TCP_CMD), under which at least the transmit power rate of change is limited to a predetermined value per time unit, a packet data scheduler (HS_SCHDR) scheduling second data packets (DATA1), such as HSDPA data. A permitted power (P_PERM(t)) is defined as the maximum value of either the actual power of a previous instance (P_HS(t-1)) added with the predetermined value (d) or the determined possible power (P_POS(t)). Moreover, an available power is resolved. According to one aspect, the scheduling is performed within these limits. According to a further aspect the power level of the signaling and control channel (HS-SCCH) is further regulated during a transmission interval taking account of shared packet data channel (HS-PDSCH) power level.



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